

भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 13] नई दिल्ली, शनिवार, मार्च 31, 1979 (चैत्र 10, 1901)
No. 13] NEW DELHI, SATURDAY, MARCH 31, 1979 (CHAITRA 10, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 31st March 1979

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

22nd February, 1979

162/Cal/79. Montedison S.p.A. Process for preparing new derivatives of N-phenyl-1, 3-oxazolidine-2, 4-diones exerting a fungicidal action.

163/Cal/79. Combustion Engineering, Inc. Fluid-bed air-supply system.

164/Cal/79. S. Jayaraman. A method and apparatus for location of high resistance faults in underground electric power cables.

23rd February, 1979

165/Cal/79. Corning Glass Works. Multi-component optical waveguide having index gradient.

166/Cal/79. Didier Engineering GMBH. Process for the heat-treatment of coal and device for carrying out the said process.

167/Cal/79. Asia Automation Industrielle S.A. A spraying cabin for the use in the electrostatic coating.

168/Cal/79. Agro-Commercial. An agricultural implement.

24th February, 1979

169/Cal/79. Kabel-Und Metallwerke Gutehoffnungshuttee Aktiengesellschaft AG. Moisture-proof electrical power cable with plastic insulation.

170/Cal/79. Suomen Laaketehtäas OY Salco. Method for the preparation of products to be taken orally the cationic composition whereof is physiologically optimized and a product prepared according to said method.

171/Cal/79. J. L. Gratzmuller. A piston-type hydropneumatic accumulator equipped with a gas shortage detection device.

172/Cal/79. Vsesojuznoe Nauchno-Proizvodstvennoe Obiedinenie Tselljulozno-Bumazhnoi Promyshlennosti and Leningradsky Zavod Sloistyxh Plastikov. Laminated plastic.

26th February, 1979

173/Cal/79. Montedison S.p.A. Pyrethroid insecticides, cyclopropanecarboxylic acids and esters intermediates and their preparation processes.

174/Cal/79. NRM—Corporation. Modular tire building machine.

175/Cal/79. Messrs. Rexor India Limited. A process for indirect coating of a web substrate with a metal.

176/Cal/79. Messrs. Rexor India Limited. A metallized web substrate.

177/Cal/79. Messrs. Rexor India Limited. A film forming composition.

27th February, 1979

178/Cal/79. Metal Box Limited. Improvements relating to collapsible tubular containers. (February 27, 1978).

179/Cal/79. Schlumberger Technology Corporation. Method and apparatus for demodulating signals in a logging-while-drilling system.

180/Cal/79. Celanese Corporation. Open cell structure foamed cellulose acetate filters.

28th February, 1979

- 181/Del/79. V. B. Philpot. Snake venom inhibitor.
- 182/Del/79. D. W. Knight. Bovine ovary extractor.
- 183/Del/79. The Glacier Metal Company Limited. Centrifugal Separator. (April 3, 1978).
- 184/Del/79. Siemens Aktiengesellschaft. A circuit arrangement for monitoring the square of an effective value of a periodic signal.
- 185/Del/79. Vostochny Nauchno Issledovatel'skiy i Proektny Institut Ozneupornoj Promyshlennosti. Material for producing pyrometric refractory components, pyrometric refractory component, and process for producing same.

*APPLICATION FOR PATENTS FILED AT THE
(DELHI BRANCH)*

1st February, 1979

- 76/Del/79. The Chief Controller Research & Development. A method for the manufacture of high melting polythene wax from polythene using zeolite as cracking catalyst.
- 77/Del/79. Aluminium Pechiney. Process for reducing the magnetic disturbances in series of high-intensity electrolysis tanks.

2nd February, 1979

- 78/Del/79. B. I. Ojha & O. P. Sharma. Distant pumps control by G.I. Earth Wire from Pump house to control room.

3rd February, 1979

- 79/Del/79. Imperial Chemical Industries Ltd. A set inhibited aqueous calcium sulphate hemihydrate plaster slurry composition. (September 15, 1976). [Divisional date July 26, 1977].
- 80/Del/79. Glaenzer Spicer. Improved cardan joint of the block bearing type.

5th February, 1979

- 81/Del/79. Raghubar Dayal. An improved vessel or tank for storage of hydrocarbons.
- 82/Del/79. Raghubar Dayal. A method for putting out hydrocarbon fires more efficiently and more efficiently.
- 83/Del/79. Robin Banerjee. A process for the preparation of Katha.
- 84/Del/79. Union Carbide Corporation. A process for producing glass in a rotary furnace.

6th February, 1979

- 85/Del/79. Daljit Kaur. Manufacture of synthetic fuel gas (Substitute of L.P.G.).
- 86/Del/79. E. R. Squibb & Sons, Inc. Derivatives of dehydrocyclicimino acids.
- 87/Del/79. Chloride silent power limited. Improvements in or relating to electrode structures.

7th February, 1979

- 88/Del/79. Imperial Chemical Industries Limited. Alkanolamine derivatives. (February 8, 1978).
- 89/Del/79. Roland C. Zinn. Anti-vandalism nut assembly.
- 90/Del/79. Movillar Systems, S.A. A transportable building.

8th February, 1979

- 91/Del/79. AB Svenska Flaktfabriken. Pilot valve.
- 92/Del/79. Shell Internationale Research Maatschappij B. V. Process for the production of ethylene oxide. [Divisional date October 19, 1977].

- 93/Del/79. Societe De Paris Et Du Rhone. Improved insulating ring.

9th February, 1979

- 94/Del/79. Dipl. Ing. Helmut Koster. A device for obtaining solar energy.
- 95/Del/79. Girling Limited. Improvements in fluid-pressure operated brakes for vehicles. (February 22, 1978).
- 96/Del/79. The General Electric Company Limited. Current transducers. (February 22, 1978).
- 97/Del/79. E. R. Squibb & Sons, Inc. Halogen substituted mercaptoacylamino acids.

13th February, 1979

- 98/Del/79. Ram Avtar Jindal. Production of cooking gas from chemicals.

14th February, 1979

- 99/Del/79. The Director General. A precalcinator for use with a rotary kiln.
- 100/Del/79. The Chief Controller, Research & Development. A process for producing celluloid coated rayon/cambic sheet.
- 101/Del/79. Saft-Societe Des Accumulateurs Fixes Et De Traction. A lithium primary cell containing thionyl chloride.
- 102/Del/79. AB Svenska Flaktfabriken. Apparatus for guiding and conveying ventilation air.
- 103/Del/79. USM Corporation. Roller die.
- 104/Del/79. Mono Pumps Limited. Improvements relating to bore hole pumps. (February 23, 1978).
- 105/Del/79. Walter Sonnberger Jr. Apparatus for descending a rope.

*APPLICATION FOR PATENTS FILED AT THE
(MADRAS BRANCH)*

12th February, 1979

- 27/Mas/79. S. Izzathullah. Anti-theft-device for automobiles.

13th February, 1979

- 28/Mas/79. Ramachandria Sivaramakrishnan. Copper plating of metals. Such as stainless steel, Tantalum, Titanium and their alloys.
- 29/Mas/79. Ramachandra Sivaramakrishnan. Synthetic electrochemical manufacture of battery grade manganese dioxide.

14th February, 1979

- 30/Mas/79. Dittakavi Subrahmanya Sarma. Transistor-switched I.C. Regulator.

15th February, 1979

- 31/Mas/79. Indian Institute of Technology. Improved Cement concrete.

16th February, 1979

- 32/Mas/79. Subramaniam Ganesan, Mohamed Ismail Sait & P. R. Govindaswamy Iyer. A device for automatically giving an audible alarm whenever the speed of a vehicle exceeds the pre-determined value, viz., the speed limit stipulated by the authorities with provision for automatically switching off the vehicle in the case the speed is not brought down within a pre-determined time.

19th February, 1979

33/Mas/79. Kurupacherry Xavier Benedict. Water heater.

21st February, 1979

34/Mas/79. G. S. S. Sarma. Automatic door latch.

22nd February, 1979

35/Mas/79. Srinivasan Gopalakrishnan. A device for indicating the reserve life (duration) of liquified petroleum gas in a cylinder. [Addition to No. 34/Mas/77.]

23rd February, 1979

36/Mas/79. Denison Hydraulics India Ltd. A single lever/joy-stick control of many hydraulic actuators by means of manifolded 2-way cartridge multi-directional control valve block.

37/Mas/79. Narayansami Muni Gopalratnam. Twinlens-Reflex Camera-cum-enlarger.

24th February, 1979

38/Mas/79. Sahasranama Iyer Gopalakrishna Iyer. Further details and modifications in new design wet grinder.

ALTERATION OF DATE

989/Cal/77.

146230.

} Ante-dated April 2, 1975.

146233.

216/Cal/77.

} The claim to convention date 17th February 1976 has been disallowed and the application dated 15th February, 1977, the date of filing in India.

146249.

135/Bom/76.

} Post-dated 20th December, 1976.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 48D.

146225.

Int. Cl.-H02g 15/00.

COAXIAL CABLE CONNECTOR.

Applicant: BUNKER RAMO CORPORATION, OF 900 COMMERCE DRIVE, OAK BROOK, ILLINOIS, UNITED STATES OF AMERICA.

Inventor: STEPHEN WILLIAM PUGNER.

Application No. 2036/Cal/76 filed November 12, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A coaxial cable connector for a cable comprising inner and outer conductors separated by insulating material, the connector comprising a housing including a rearwardly-directed, conductive tubular member insertable between the outer conductor and insulating material of the cable, a contact for the inner conductor of the cable supported in the housing but insulated from the tubular member, the tubular member having a radially-enlarged portion for expanding the outer conductor and providing a forwardly-facing shoulder, and a sleeve adapted to be slid forwardly on the cable over the enlarged portion of the tubular member the sleeve having a radially inwardly-biased rearward portion which, in use, is forward of the said shoulder and clamps the outer conductor about the tubular member forwardly of the enlarged portion.

CLASS 35C.

146226.

Int. Cl.-C04b 7/12.

A METHOD FOR PRODUCING A DURABLE MASS FOR SUPPORTING SURFACING.

Applicant: NICHOLSON REALTY LTD., OF 5800 MONROE STREET, BUILDING F, SYLVANIA, STATE OF OHIO 43560, UNITED STATES OF AMERICA.

Inventors: NICHOLSON CONCRETE & SUPPLY COMPANY, JOHN PATRICK NICHOLSON.

Application No. 203/Cal/77 filed February 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of producing a durable mass capable of supporting surfacing which comprises mixing cement kiln dust, pozzolan which may be artificial or natural such as hereinbefore defined, aggregate such as hereinbefore defined and water, said pozzolan being in an amount between about 6 and 24% by dry weight, said cement kiln dust being in an amount between about 4 and 16% by dry weight and said aggregate being in an amount between 60 and 90% by dry weight, compacting the mixture and permitting the mixture to react at ambient temperatures to produce a hard, strong, durable mass.

CLASS 81.

146227.

Int. Cl.-A62d 1/00.

FIRE-FIGHTING COMPOSITIONS.

Applicant: CHUBB FIRE SECURITY LIMITED, OF PYRENE HOUSE, SUNBURY-ON-THAMES, MIDDLESEX, TW16 7AR, ENGLAND.

Inventors: GERALD EDWARD COOPER AND ROBERT EUGENE STRATTON.

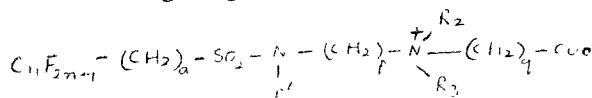
Application No. 498/Cal/77 filed April 1, 1977.

Convention date April 6, 1976/(13823/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims

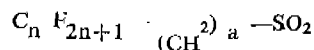
A fire fighting composition comprising an aqueous solution of (a) less than 2% by weight of perfluoro surfactant, (b) from 1 to 9 parts by weight, per part by weight perfluoro surfactant, of a fluorine-free surfactant, and (c) glycol or glycol ether solvent for the perfluoro surfactant, and in which the perfluoro surfactant comprises an ampholytic fluorinated sulphonamide having the general formula I.



wherein n represents an integer of from 1 to 20, a represents an integer of from 2 to 10, q represents an integer of

0 to 10, p represents an integer from 0 to 10 and each of R₁, R₂ and R₃, which may be the same or different, are hydrogen,

C₁₋₆ alkyl or



CLASS 33D.

146228.

Int. Cl.-B22c 9/00, B22d 7/00.

METHOD OF REPAIRING DAMAGED INGOT MOLDS HANDLING LUGS.

Applicant: USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors: PAUL EUGENE HAMILL, JR. ROBERT HENRY KACHIK AND ARTHUR JOHN PIGNOCCO.

Application No. 509/Cal/77 filed April 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of repairing a damaged ingot mold handling lug comprising placing the ingot mold on its side such that the damaged lug to be repaired is in an uppermost position; placing a refractory perimeter around the damaged lug such that the inner surface of the refractory perimeter defines the perimeter of the intended lug; depositing a particulate refractory material within the refractory perimeter against a portion of the existing lug not in need of repair such that a cavity is formed within the refractory perimeter adjacent to a damaged surface of the existing lug; depositing an aluminothermic reaction mixture within the cavity formed in refractory perimeter and over the particulate refractory material; igniting said reaction mixture to cause molten iron and slag to be formed within the refractory perimeter; allowing the molten metal and slag phases to separate such that the metal phase settles to the bottom against the damaged portion of the existing lug, and the slag phase forms thereover and over the particulate refractory material; allowing the two molten phases to cool and solidify; and removing the refractory perimeter, the particulate refractory material and the solidified slag to expose the repaired lug.

CLASS 40F & 74 & 104N & 136E.

146229.

Int. Cl.-C08j 1/36, D06n 7/00.

PROCESS AND DEVICE FOR THE PRODUCTION OF A MAT FROM NON-FLOWABLE MOLDING PREPARATION FOR PRESSED ARTICLES.

Applicant: J. F. WERZ JR. KG., PRESSHOLZWERK, 7141 OBERSTENFELD B. STUTTGART, FEDERAL REPUBLIC OF GERMANY.

Inventors: EDMUND MUNK AND HERMANN HENKE.

Application No. 617/Cal/77 filed April 25, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Process for producing a mat from a non-flowable molding material mixed with a binding agent for the production of a pressed article possessing a three-dimensional profile, characterized by that the moulding mixture is filled automatically in the required quantity and thickness into a space between the top surface of the lower part of the pressing tool, which is adapted to the shape of the article to be pressed, the bottom of the container being perforated and having a shape conforming with the shape of the article to be pressed, the container being subjected to vibratory movement for the moulding mixture to drop into the mould.

CLASS 32E & 128G.

146230.

Int. Cl.-C08f 25/00, C08b 7/00.

A SANITARY ABSORBENT PRODUCT HAVING CELLULOSE GRANT COPOLYMER.

Applicant: PERSONAL PRODUCTS COMPANY, AT MILLTOWN, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors: PRONoy CHATTERJEE AND ROBER SCHWENKER JR.

Application No. 989/Cal/77 filed July 1, 1977.

Division of Application No. 673/Cal/75 filed April 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings

A sanitary absorbent product such as absorbent dressings in general and in particular, diapers, sanitary napkins, tampons and surgical sponges based on untreated cellulose fibres made in a manner known per se characterized by the improvement that it has therein cellulose graft copolymer in fibrous form having a backbone of cellulose and side chains of polymer moieties grafted thereto by copolymerisation, said polymer moieties being selected from the class consisting of ionic and non-ionic polymer moieties as herein described and constituting from about 10% to about 90% by weight of the total weight of the cellulose graft copolymer, some of said side chain polymer moieties being ionic polymer moieties and comprising from about 10% to about 80% by weight of the total weight of the cellulose graft copolymer, and the other of said side chain polymer moieties being non-ionic polymer moieties and comprising from about 0.5% to about 60% by weight of the total weight of the cellulose graft copolymer.

CLASS 86E.

146231

Int. Cl.-F16m 13/00, A61g

DEVICE FOR SUPPORTING BOTTLES CONTAINING SERUM IN HOSPITAL WARDS, OPERATING ROOMS, AND THE LIKE.

Applicant & Inventor: JOSE PIRES RIBEIRO, OF ALAMEDA DE IPE AMARELO 397, BELO HORIZONTE, MINAS CERAIS, BRAZIL.

Application No. 1730/Cal/77 filed December 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

Serum bottle support device for use in hospital wards, operating rooms and the like, characterized by comprising a guide rail having means for supporting it to the ceiling follower means freely movable along said guide rail and serum bottle flexible support means depending from said follower means at one end and provided at its other end with means for releasably supporting a serum bottle.

CLASS 39E. & 144E.

146232.

Int. Cl.-C09c 1/22.

A PROCESS FOR THE PREPARATION OF INORGANIC GREEN PIGMENT.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

Inventors: TURAGA PRABHAKARA PRASAD, ADDALA SURYANARAYANA AND BHARAT RAMA-KRISHNA SANT.

Application No. 325/Del/77 filed October 19, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims. No drawings.

A process for the preparation of inorganic green pigment characterised in that a very fine aqueous suspension of synthetic iron oxide yellow in ferrous sulphate solution is prepared through which air is bubbled, keeping the temperature of the system above ambient but below 100°C, in presence of a complex cyanide of iron for a period ranging between four and ten hours, and the solid product is separated, washed, dried at temperatures not exceeding 60°C in single or multiple steps, and powdered.

CLASS 64B1.

146233

Int. Cl.-H02g.

IMPROVEMENTS IN OR RELATING TO A CONNECTING DEVICE FOR ACHIEVING THE ELECTRICAL JUNCTION AND MECHANICAL ASSEMBLY OF AT LEAST TWO CONDUCTORS.

Applicant & Inventor : JACQUES, LOUIS, CAMILLE LACROIX, OF 94 ELYSEE II, 78170 LA CELLE SAINT CLOUD, FRANCE.

Application No. 216/Cal/77 filed February 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A connecting device for achieving the electrical junction and the mechanical assembly of at least two single-strand or multi-strand conductors of various gauges, said device comprising a connecting member having at least two inputs provided with at least two orifices in which the bared ends of the conductors are engaged in the form of a labyrinth shape, and at least one tubular terminal which is at least partly dielectric and is locked on the connecting member and covers the bared end of said two conductors.

CLASS 129G.

146234.

Int. Cl.-B24d 5/00, B02C 13/26.

AIR PULSE NOISE DAMPER FOR A PNEUMATIC TOOL.

Applicant : CHICAGO PNEUMATIC TOOL COMPANY, OF 6 EAST 44TH STREET, NEW YORK, N. Y. UNITED STATES OF AMERICA.

Inventor : EARL CLAIR TOOLEY.

Application No. 217/Cal/77 filed February 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A pneumatic tool comprising an air driven motor disposed within a housing having an internal liner defining a rotor chamber, the housing or the liner being recessed to provide an annular chamber around the rotor chamber, and at least one exhaust port in the liner communicating with the annular chamber, the annular chamber communicating with the atmosphere and including a resilient flap damper overlying the or at least exhaust port whereby variations in the pressure of exhaust air passing through the or at least one exhaust port are damped by oscillation of the resilient flap to attenuate the sound of the tool.

CLASS 195C.

146235.

Int. Cl.-B67d 3/02, B60t 15/00.

A MAIN STAY VALVE FOR USE WITH ROLLING STOCK OR RAILWAY WAGONS.

Applicant & Inventor : POTTAIYIL SANKARAN, AT 17, CAMAC STREET, CALCUTTA-17, WEST BENGAL, INDIA.

Application No. 912/Cal/77 filed June 17, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Main stay valve for use with rolling stock or railway wagons comprising valve body 11 having fitted therein a primary valve 8 and secondary valve 7, the primary valve 8 slidably disposed within the secondary valve 7, an outlet 15 provided with said valve body 11, outer locating tubes 3 serving as inlet for liquid to be discharged through said outlet 15, a single actuating means for actuating said primary and secondary valves, said actuating means comprising an actuating spindle 4 having a lower extended threaded portion 19 engaged by a threaded bore 20 of said secondary valve, and wherein at the top of primary valve 8 there is provided a coiled spring 6 so that when the spindle 4 is operated, it first causes the primary valve to close and then causes the secondary valve to close.

CLASS 170B.

146236.

Int. Cl.-C11d 1/00.

A PROCESS FOR PRODUCING FLUFFY DETERGENT POWDER.

Applicant & Inventor : RAMNIK CHUNILAL DOSHI, 299, FLANK ROAD, SATGURU NIWAS, BOMBAY-400 022, (MAHARASHTRA), INDIA.

Application No. 271/Bom/76 with provisional specification filed on 6th August, 1976. Application No. 331/Bom/76 filed on 23rd September, 1976 (Cognated) One complete specification left on 21st February, 1977 under Section 9(2) of the Patents Act, 1970.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims. No drawings.

A process for producing a fluffy detergent powder having a density of 0.25 to 0.35 gm/cc which comprises admixing (A) an alkyl benzene sulphonic acid in which the alkyl radical has 6—14 carbon atoms with (B) xylene and/or toluene sulphonic acid diluting it with (C) water, so that A:B:C : : 0.5 to 1.0 : 0.2 to 0.6 : 0.1 to 0.5, all proportions being proportion by weight, allowing the admixture to age for at least three hours, and then adding sodium bicarbonate or sodium carbonate and sodium chloride and/or sodium sulphate to the aged admixture, agitating the admixture vigorously, so as to obtain a product which is of alkaline pH.

CLASS 56G & 176L.

146237.

Int. Cl.-F22b 31/00, F22d 5/26.

AN ECONOMIZER FOR USE IN A FLUIDISED COMBUSTION BOILER.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, ESNP DIVISION, AT 7TH FLOOR, ANSAL BHAVAN, 16-KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : DR. YASH PAL ABBI, MR. MANIKESWAR BANERJEE, MR. MANOJ KUMAR GHOSH, MR. SHANMUGAVELU GURUSWAMY, MR. KAMAKSHI THIRUMENI UTHANUMALLAH, MR. NARAYANASWAMY NATARAJAN, MR. KARUKKAMPALAYAM MUTHUSAMI SELAKUMAR, DR. HARENDRA NATH SHARAN AND MR. ANANTHARAMAN SUBRAMANIAN.

Application No. 565/Cal/76 filed March, 31, 1976.

Complete Specification left June 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims.

An economizer for use in a fluidized combustion boiler comprising a chamber having an inlet liquid header and an outlet liquid header, said outlet liquid header provided at an end opposite to that of the inlet header, inlet and discharge means for the flow of flue gases through said

chamber at least one pack of tubes disposed within said chamber and connecting said inlet header to the outlet header, said pack of tubes comprising a plurality of first and second tubes connected in an alternate relationship.

CLASS 56G & 176L.

146238.

Int. Cl.-F22b 31/00, F22d 5/26.

A CONVECTION EVAPORATOR FOR USE WITH A FLUIDISED BED COMBUSTION BOILER.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, ESNP DIVISION, AT 7TH FLOOR, ANSAL BHAVAN, 16, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : DR. YASH PAL ABBI, MR. MANOJ KUMAR GHOSH, MR. KAMAKASHI THIRUMENI UTHANU-MALLIAH, MR. KARUKKAMPALAYAM MUTHUSAMI SELLAKUMAR, MR. ANANTHARAMAN SUBRAMANIAN, MR. MANIKESWAR BANERJEE, MR. SHANMUGAVELU GURUSWAMY, MR. NARAYANASWAMY NATARAJAN AND DR. HARENDRA NATH SHARAN.

Application No. 566/Cal/76 filed March 31, 1976.

Complete specification left June 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims.

A convection evaporator for use with a fluidized combustion boiler comprising a chamber disposed within the head section of a wall evaporator a plurality of tubes disposed within said chamber and connected to an inlet and outlet header and such that the wet steam flow is in cross parallel flow to that of the flue gases within the said chamber, said plurality of tubes consisting of a single or a plurality of pack of tubes having a construction identical to each other and wherein each pack of tubes are provided in an oriented manner.

CLASS 56G & 176L.

146239.

Int. Cl.-F22b 31/00, F22d 5/26.

A FLUIDISED BED COMBUSTION BOILER.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, ESNP DIVISION, AT 7TH FLOOR, ANSAL BHAVAN, 16 KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : DR. YASH PAL ABBI, MR. MANIKESWAR BANERJEE, MR. MANOJ KUMAR GHOSH, MR. SHANMUGAVELU GURUSWAMY, MR. KAMAKASHI THIRUMENI UTHANUMALLIAH, MR. NARAYANASWAMY NATARAJAN, MR. KARUKKAMPALAYAM MUTHUSAMI SELLAKUMAR, DR. HARENDRA NATH SHARAN MR. ANANTHARAMAN SUBRAMANIAN.

Application No. 567/Cal/76 filed March 31, 1976.

Complete Specification left June 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

22 Claims

A fluidized combustion boiler comprising a wall evaporator having an inlet for supply of water thereto, a plurality of wall evaporator tubes connected to said inlet, a bed evaporator and convection evaporator connected to the outlet of said tubes, said bed evaporator and convection evaporator connected to a steam separator.

CLASS 56G & 176L.

146240.

Int. Cl.-F22b 31/00, F22d 5/26.

A FLUIDISED BED COMBUSTION BOILER.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, ESNP DIVISION, 7TH FLOOR, ANSAL BHAVAN 16, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : YASH PAL ABBI, MANIKESWAR BANERJEE, MANOJ KUMAR GHOSH, SHANMUGAVELU GURUSWAMY, KAMAKASHI THIRUMENI UTHANUMALLIAH, NARAYANASWAMY NATARAJAN, KARUKKAMPALAYAM MUTHUSAMI SELLAKUMAR, HARENDRA NATH SHARAN AND ANANTHARAMAN SUBRAMANIAN.

Application No. 568/Cal/76 filed March 31, 1976.

Complete Specification left June 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims

A fluidized bed combustion boiler comprising a chamber having an expanded head section, a fluidized bed disposed within the base section, a wall evaporator forming the walls of said chamber and comprising a plurality of tubes said base section being of a geometrical shape, said head section having a geometrical shape other than that of the base section, said tubes extending from the base to the head section and vice versa.

CLASS 321a.

146241.

Int. Cl.-C07c 45/00, 47/00.

CONTINUOUS HYDROFORMYLATION PROCESS.

Applicant : UNION CARBIDE CORPORATION, LOCATED AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventor : FREDARD ANTHONY VINCENT BREWSTER.

Application No. 533/Cal/77 filed April 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

The continuous process of producing aldehydes by the hydroformylation of alpha-olefins containing 2 to about 5 carbon atoms comprising :

establishing a liquid body of a homogeneous mixture containing olefin aldehyde products and higher boiling aldehyde condensation products continuously formed therein, a soluble rhodium catalyst complexed with carbon monoxide and a triarylphosphine, and at least ten moles of free triarylphosphine for each mole of rhodium metal;

supplying to the liquid body a gaseous recycle stream comprising hydrogen and the olefin; supplying make-up quantities of carbon monoxide hydrogen and olefin to the liquid body;

maintaining in a conventional manner the temperature of the liquid body at about 50°C. to about 140°C., the total pressure at less than about 400 psia, the carbon monoxide partial pressure at less than about 50 psia and the hydrogen partial pressure at less than about 200 psia;

removing in a manner such as hereinbefore described from said liquid body an amount of vaporous mixture comprising said olefin, hydrogen, vaporized aldehyde product, and an amount of vaporized aldehyde condensation products essentially equal to the rate of their formation in said body whereby the size of said body is maintained at a predetermined value; and

recovering in a known manner aldehyde product and aldehyde condensation product from said vaporous mixture and forming said gaseous recycle stream.

CLASS 9F.

146242.

Int. Cl.-C22c 37/10, C23, 1/10.

METHOD OF PRODUCING GRAIN-ORIENTED SILICON IRON SHEET.

Applicant : GENERAL ELECTRIC COMPANY OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventors : CARL MICHAEL MAUCIONE AND HOWARD CHARLES FIELDER.

Application No. 545/Cal 77 filed April 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

The method of producing grain-oriented silicon-iron sheet which comprises the steps of :

A. providing a fine-grained, primary-recrystallized, silicon sheet containing :

between 2.2 to 4.5 percent silicon between 1.5 to 50 parts per million boron between 30 to 90 parts per million nitrogen in a ratio to boron of between 1.0 to 15 parts per part of boron.

B. coating the sheet by a known method with an adherent electrically-insulating coating containing :

between 6.0 to 150 parts per million boron on the basis of the silicon-iron sheet, and

C. heating the coated sheet in hydrogen or a mixture of nitrogen and hydrogen to develop (110)001 secondary recrystallization texture by Miller Index term in the silicon-iron sheet.

CLASS 56G. & 176L.

146243.

Int. Cl.-F22b 31/00, F22d 5/26.

A BED EVAPORATOR FOR USE WITH A FLUIDISED COMBUSTION BOILER.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, ESNP DIVISION, 7TH FLOOR, ANSAL BHAVAN, 16-KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : DR. YASH PAI ABBI, MR. MANIKESWAR BANERJEE, MR. MANOT KUMAR GHOSH, MR. SHANMUGAVELU GURUSWAMY, MR. KAMAKSHI THIRUMENTHIANUMALLI, MR. NARAYANASWAMY NATARAJAN, MR. KARUKKAMPALAYAM MUTHUSAMI SELAKUMAR, DR. HARENDRA NATH SHARAN AND MR. ANANTHARAMAN SUBRAMANIAN.

Application No. 564/Cal/76 filed March 31, 1976.

Complete Specification left June 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims

A bed evaporator for use with a fluidized combustion boiler and disposed partially or completely within the fluidized bed section of said boiler comprising an inlet header for introduction of a cooling liquid, an outlet header disposed outside of said bed section, and a plurality of tubes connected at different inlet points to said inlet header, said tubes disposed in different horizontal planes.

CLASS 93 & 173B.

146244.

Int. Cl.-B05b 3/00.

A METHOD FOR PRODUCING THIN SEALANT COATING.

Applicant : UNITED STATES GYPSUM COMPANY, OF 101 SOUTH WACKER DRIVE, CHICAGO, ILLINOIS 60606, UNITED STATES OF AMERICA.

Inventor : WALTER DAN KOBESKI.

Application No. 993/Cal/77 filed July 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

16 Claims. No drawings.

A method for producing a thin sealant coating for use in sealing roof and wall surfaces which comprises the steps of (1) blowing an air stream of dry calcium sulfate hemihydrate ($\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$) through a hose to a spray nozzle having a mixing chamber therein, (2) introducing water into the stream of dry hemi-hydrate particles, with the water content ranging from 20 to 100 parts by weight of water per 100 parts by weight of calcium sulfate hemi-hydrate, (3) intermixing the calcium sulfate hemi-hydrate particles and water in the nozzle mixing chamber, and (4) spraying the wetted calcium sulfate hemi-hydrate onto a surface to be coated, with the coating having a thickness ranging from 1/8 inch to 5 inches.

CLASS 136-I.

146245.

Int. Cl.-B28b 23/02.

METHOD OF MANUFACTURING FIBRE-REINFORCED CEMENT COMPOSITE MATERIALS

Applicant : YUKINGTON BROTHERS LIMITED, OF PRESCOT ROAD, ST. HELENS, MERSEYSIDE WA10 3TT, ENGLAND.

Inventors : NEIL MCIVER CAMERON, KENNETH CYRIL TRATCHER, JAMES PETER LOFTUS AND PETER PHILIP REMAND.

Application No. 1059/Cal/77 filed July 11, 1977.

Convention date July 30, 1976/(31932/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims. No drawings.

A method of manufacturing fibre reinforced cement composite material in which water-laid web of cement and continuous-filament chopped glass fibre reinforcing strands is deposited on a forminous surface from a fluid slurry of those materials, and is de-watered by suction, wherein prior to the web being laid a flocculating agent such as h-reinabefore defined is added to the slurry, and in addition to the chopped strands there are present, in the slurry, single filaments of inorganic non-crystalline material, such as filaments of glass.

CLASS 9D & 33A.

146246.

Int. Cl.-C22c 37/00.

A PROCESS FOR MAKING AND PRODUCTION OF HEAT RESISTANT CAST IRON.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Inventors : CHALSANT ADI NARFESH RAO, SANTAKH SINGH DHANJAL, GUNDU RAO NAGARAJA RAO AND VISHWANATH ANANT ALTEKAR.

Application No. 54/Del/77 filed March 22, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims. No drawings.

A process for the production of heat resistant cast iron resistant to oxidation, scaling and thermal shock up to 1050°C comprising mixing of molten cast iron and aluminium characterised in that the cast iron of desired composition is melted and mixed with 10-30% by wt. of molten aluminium.

CLASS 125A & B.

146247.

Int. Cl.-G01f 11/26, 11/14.

A PROGRAMMED, AUTOMATIC PIPETTING DEVICE FOR LIQUIDS.

Applicant & Inventor : SANJAR AIT KHAN, 8-2-316/2 ROAD NO. 14, BANJARA HILLS, HYDERABAD 500034, A.P., INDIA.

Application No. 182/Mas/76 filed September 13, 1976.

CLASS 172D₁ & F.

146249.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

Int. Cl.-D01h 13/14.

1 Claim

A programmed automatic pipetting device for liquids comprising a liquid level sensor with a driving mechanism for generating electric pulses proportional to the vertical movement of the sensor wires within a sensor tube a known electronic counter together with a coincidence circuit for determining the volume of liquid to be transferred which volume is dependent on the vertical movement of the sensor wires, a known vertically movable platform operated by a motor actuated by an electrical pulse from the counter-coincidence circuit, the platform having a known turn-table carrying a master flask containing the liquid to be transferred and a transfer flask and the sensor tube adapted to dip into the master flask in the raised position of the platform, a pump operated when the platform reaches its raised position so as to suck in liquid into the sensor tube and the liquid when reaches the sensor wires operates a switch to lower the platform, a motor for rotating the turn table so as to bring the transfer flask below the pipette, means to operate the platform motor to raise it and to operate the pump in the reverse direction to pump out the fluid into the transfer flask, and the sequence of operation being controlled by relays and micro-switches.

A DEVICE FOR CONTROLLING IN A NEED BASED PROGRAMMED MANNER THE RELATIVE MOVEMENT BETWEEN A FAULT-CORRECTOR (WITH NO DIRECTIONAL BIAS) AND A PLURALITY OF UNITS PERFORMING IDENTICAL FUNCTIONS IN A MACHINE.

Applicant : THE BOMBAY TEXTILE RESEARCH ASSOCIATION, LAL BAHADUR SHASTRI MARG, BHATKOPAR (WEST), BOMBAY-400 086, MAHARASHTRA INDIA.

Inventors : SHASHIKANT DATTATRAYA SUPANEKAR, JAYSHANKAR DATTATRAYA JADHAO, SHARAD-CHANDRA GAJANANMONE AND PRAFULL CHANDRA HIMATLAL KOTHARI.

Application No. 135/Bom/76 filed April 26, 1976.

Post-dated December 20, 1976.

Complete specification left on December 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims

A device for controlling in a need based programmed manner the relative movement between a fault-corrector (with no directional bias) and a plurality of units performing identical functions in a machine, the said device comprising monitor means for continuously scanning the said plurality of units, one monitor means being associated with each said units; a central processing means that responds to signals received from each said monitor means and issues command signals to the fault-corrector to move in a need based programmed manner relative to the position of the fault-corrector at the time the command signals are received by it, said central processing means comprising a plurality of logical elements connected in a programmed sequence with their outputs isolated from one another and with the inputs of each logical element connected to said monitor means corresponding thereto, one of said inputs of each logical element being commonly connected to the monitor means of that unit relative to which scanning is being done at any time; a signal transfer means for conveying said command signals to the fault-corrector and comprising two sets of bus-strips mounted on a non-conducting bar and arranged linearly along the path of travel of said fault-corrector with one set of isolated outputs of a set of logical elements terminating on one set of bus-strips and with another set of isolated outputs of another set of logical elements terminating on the other set of bus-strips; contact members one set whereof is in running contact with said one set of bus-strips and another set whereof is in running contact with said another set of bus-strips, said contact members being locatable on said fault-corrector; and a driving circuit locatable in said fault-corrector for receiving said command signals from said contact members, said driving circuit being operationally connectable to the driving mechanism of said fault-corrector so as to drive the fault-corrector one way or the other depending upon whether the command signals are received from said one set of isolated outputs or said another set of isolated outputs.

CLASS 187E₁.

146248.

Int. C.-H04r 29/10.

PORTABLE ELECTRONIC TESTER FOR CARBON MICROPHONE AND ELECTROMAGNETIC SOUND RECEIVER.

Applicant : MRS. ANNALAKSHMI RAJENDRAN, OF Q. 1, IV FLOOR, MANDVI TELEPHONE EXCHANGE, MOHAMMAD ALI ROAD, BOMBAY 3, STATE OF MAHARASHTRA, INDIA.

Application No. 230/Bom/76 filed July 12, 1976.

Complete Specification left January 13, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims

A portable electronic tester for carbon microphone and electromagnetic sound receiver comprising: (i) A constant current regulator for sending a fixed current through the carbon microphone irrespective of its resistance this being achieved by transistor TR1, Zener diode Z2, associated resistors R1 & R2 and bypass Capacitor C1, this circuit being energised when the selector SW2 is in carbon microphone testing mode and battery is connected by pressing the ON-OFF switch SW 1; (ii) A voltage sensing circuit with transistor TR2, associated resistors R3, R4 & R5, Zener diode Z3, which conducts when the resistance of the carbon microphone under test is below the prescribed limit, Zener diode Z1, which energises TR2 when the battery voltage is above the prescribed limit, and a light emitting diode LP1, which glows only when both the zener diodes Z1 & Z3 conduct, forward biasing transistor TR2 when the battery voltage is above the prescribed limit, R9, R11 & R12, potentiometer R 10, Capacitor C2 and input transformer T3 with potential divider R to amplify the audio signal from the device under test, and feed the same at the required level to the next stage; (iv) A tuned amplifier with operational amplifier, resistors R13, R14 & R15 and Capacitors C5, C6 & C7, wired as frequency regulating network to ensure that singing takes place within a particular frequency range; (v) A final amplifier with transistors TR5, and TR6, transformers T1 & R2, resistors R16, R17 & R18 and loudspeaker, to drive enough power to the loudspeaker; (vi) A voltage regulator consisting of transistor TR3, Zener diode Z4 resistor R8 and capacitors C3 & C4 for feeding constant voltage to the amplifiers, irrespective of the battery voltage.

CLASS 190B.

146250.

Int. Cl.-F16k 25/00.

COMBINED STOP AND CONTROL VALVE.

Applicant : BBC BROWN, BOVERI & COMPANY LIMITED, OF BADEN, SWITZERLAND.

Inventors : JAROSLAW MASEK AND ARTHUR OBE-IE.

Application No. 354/Cal/76 filed February 26, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A combined stop and control valve for mounting in the pipes carrying the working medium of turbomachines, in particular steam turbines, of which the stop valve body and control valve body are arranged independently of each other in a common valve housing and are provided with coaxial valve seats located next to each other and immediately at a flow opening of the valve cage, the body of the control valve being in the form of a bell into the hollow cavity of which the a common valve housing and are provided with the coaxial valve body and the stop valve body are rigidly supported in their end positions against the valve housing, in which the valve seat (2) is provided with a throttle collar (24) round the circumference of which slots (25) are distributed whose inner diameter is approximately equal to that of the control edge (11) of the control valve body, the body of the stop valve (32) having a conical seating surface (33) which together with the inner circumference of the control valve body (32) forms an annular gap (43) tapering in the flow direction of the working medium.

PATENTS SEATED

141283 143713 143714 143728 143730 143740 143753 143792 143793 143845.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Toyama Chemical Co. Ltd., a corporation organized under the laws of Japan, of 1-18, Kava-

bacho, Nihonbashi Chuo-ku, Tokyo, Japan, have made an application under Section 57 of the Patents Act, 1970 for amendment of the specification of their application for patent No. 145443 for "A process for producing novel penicillins and cephalosporins". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours of copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

REGISTRATION OF ASSIGNMENTS, LICENCES ETC.

(PATENTS)

Assignment, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

128555. Sri Ajit Kumar Bishnoi.

LIST—IV

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under Section 146(2) of the Patents Act 1970, in respect of Calendar year 1977 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name & Address of Patent	Brief title of the inventions.
1.	135084	28-3-1972	Automotive Products Ltd., Tachbrook Road, Leamington Spa, Warwickshire, England.	Friction clutches.
2.	135176	5-4-1972	Mc Nell Corpn. 96 East Crosier Street, Akron Ohio 44311, U.S.A.	Controlling manufacturing process.
3.	135497	15-6-1972	Imperial Chemical Industries Ltd., England.	Apparatus for controlled feeding of powdered material.
4.	135578	24-2-1972	P. L. Smidth & Co., A/S, 77 Vigerslev Alle, Copenhagen—Valby, Denmark.	A fluid dispensing closure fitting for containers.
5.	135599	11-11-1971	Joseph Lucas (Industries) Ltd., Well Street, Birmingham, England.	A conversion kit for use with vehicle ignition system.
6.	135602	16-5-1972	Westinghouse Air Brake Co., Pittsburgh, Pennsylvania, U.S.A.	Quick service valve device for fluid pressure brake system.
7.	135611	15-6-1972	D. P. Joshi & R. P. Menon, Railway Staff College Qr. No. 10, Lalbaug, Baroda-4, India.	A screw drum stop valve mechanism.
8.	135620	21-11-1972	Harold George Poole Aspendon House, Aspendon, Buntingford, Hertfordshire, England.	Towing connections.
9.	135626	10-10-1972	Mail Order Sales Pvt. Ltd., 15 Mathew Road, Bombay, India.	Vibratory cushion.
10.	135638	13-6-1972	Emhart Industries Inc. 950 Cottage Grove Road, Bloomfield, U.S.A.	Neck ring arm for glass wire forming machine.
11.	135685	17-8-1972	Anderson Clayton & Co., 1010 Milam Street, 14th floor, Tonneco Bldg., Houston, Texas 77002, U.S.A.	Seed delinter.
12.	135696	5-12-1972	The Textile & Allied Industries Research Organisation Kala Bhavan Premises, Baroda-1, India.	Rotor for open-end spinning.
13.	135697	5-12-1972	Do.	Open-end spinning device.
14.	135698	5-12-1972	Do.	Housing for an open-end rotor.

1	2	3	4	5
15.	135718	12-1-1973	Thyssen Niederrhein, A. G. 42 Oberhausen, Essener Street 66, German Federal Republic.	Charging apparatus for shaft furnace.
16.	135743	9-8-1972	Hepworth & Grandage Ltd., St. John's Works, Bradford BD 48TO, West Yorkshire, England	Light metal piston for I-C engines or compressors.
17.	135754	19-9-1972	F. L. Smith & Co., A/S, 77 Vigerslev Alle, Copenhagen Valby, Denmark.	Rotary kiln.
18.	135761	1-7-1972	Switzerland Agricultural Collage, P. O. Luyengo, Switzerland.	Tractors.
19.	135773	8-9-1972	Wilhelm Stahlecker G.m.b.H. D-7341, Reichenback bei Geislingen/Steige, West Germany.	Mounting for open-end or brake spinning machines.
20.	135774	8-9-1972	Do.	Open-end spinning machines.
21.	135776	16-8-1971	Brico Engineering Ltd., Holbrook Lane, Conventry, Warwickshire, England.	Making fuel injectors.
22.	135784	11-10-1972	Gustav Schade Maschinenfabrik, D-46, Durtmund, Am. Rosen-Platzchen 120, Federal Republic of Germany.	Scraper for removal of material from storage for use with bulk material dump.
23.	135813	5-4-1971	Eastman Kodak Co., 343 State Street Rochester, N. Y. 14650, U.S.A.	Photographic camera for use in camera cartridge combination.
24.	135818	11-5-1972	Joseph Lucas (Industries) Ltd., Great King Street, Birmingham, England.	Sleeve clamp.
25.	135825	15-5-1972	Wilkinson Sword Ltd., Sword Works, Southfield Road, London W. 4, England.	Razor blade holders.
26.	135826	24-5-1972	Emhart Industries Inc., 950 Cottage Groove Road, Bloomfield, Connecticut, U.S.A.	Drive for container processing machine.
27.	135860	30-6-1972	Litton Systems Inc., 100 East 10th Street, Wilmington U.S.A.	Fail safe decelerating system.
28.	135875	22-7-1972	Hayashibara Biochemical Lab., Inc. No. 2-3, I-Chome, Shimoishii, Okayama-shi, Japan.	Making shaped bodies from pullulan or mixture thereof.
29.	135882	28-8-1972	Cryomedics Ltd., 500 Bostwick Avenue, Bridgeport, Connecticut, U.S.A.	Cryosurgical instrument.
30.	135883	8-8-1972	Union Carbide Corp., 270 Park Avenue, New York, N.Y. 10017, U.S.A.	Rescalable vent closure for sealed galvanic dry cell.
31.	135888	8-8-1972	Fiberglass Ltd., 201-211, Martins Bldg., Water Street, Liverpool 12, 35 R Lancashire. England.	Winding apparatus.
32.	135901	26-5-1972	Faudi Feinbau GMBH ; 637 Oberursel Taunus, IM Diezen 4, Federal Republic of Germany.	Separating elements for separating solids & water from fluids.
33.	135909	3-8-1972	Cynamid India Ltd., Nyloc House, 284-D2, Dr. Annie Besant Road, Bombay-25.	Apparatus for automatic filling of predetermined quantity of liquid into containers.
34.	135912	8-8-1972	Platt International Ltd., Hontford Works, Oldham, Lancashire, England.	Open-end spinning of textile yarns.
35.	135919	24-4-1972	Platt Saco Lowel Ltd., Holcombe Road, Helmsford, Rossendale BB 4, 4NCo, Lancashire, England.	Textile carding machine.
36.	135959	15-2-1973	Indian Jute Industries Research Association, 17, Taratola Road, Calcutta.	Mechanical extraction of a proportionate amount batch oil from textile products.
37.	135960	15-2-1973	Do.	Determining the oil content in textile products.
38.	136000	3-8-1972	C.A.V. Ltd., Well Street, Birmingham, 19, England.	Rotary sliding valve pump.
39.	136014	6-7-1972	C. Eugen Maier GmbH ; West Germany.	Flyer wings for spinning frames.
40.	136030	24-4-1972	Westinghouse Electric Corp., Pittsburgh, Pennsylvania, U.S.A.	Signal receiving apparatus for vehicle control system.
41.	136070	25-4-1972	Cities Service Co., 60 Wall Street, N. Y. N. Y. U. S.A.	Pelletizing process.
42.	136072	16-8-1972	Libbey-Owens-Ford-Co. 811 Madison Avenue, Toledo, Ohio, U.S.A.	Bending & tempering glass sheets.
43.	136077	18-7-1972	British Insulated Callender's Cables Ltd., 21 Blimsbury street, London WC1, England.	Apparatus for drawing wire.
44.	136087	21-9-1972	Caterpillar Tractor Co. 100 N. E., Adams Street, Peoria, Illinois 61629, U.S.A.	Track idler wheel.
45.	136090	13-2-1973	Beloit Corp., 1st Laurence Avenue, Beloit, Wisconsin, U.S.A.	Slice lip for a headbox of paper making machines.
46.	136137	15-3-1972	The Gillette Co., Prudential Tower Building, Massachusetts, U.S.A.	Disposable razor blade unit.
47.	136138	15-3-1972	Do.	Razor blade unit.

1	2	3	4	5
48.	136141	3-11-1972	The Textile & Allied Industries Research Organisation, Kala Bhavan Premises, Baroda-1, India.	Device for doffing or stripping web from doffer of a carding machine.
49.	136142	27-5-1972	Warner & Swasey ; University Circle Research Centre, 11000 Cedar Avenue, Cleveland, Ohio 44166, U.S.A.	Machine tool.
50.	136147	25-8-1972	International Housing Ltd., P. Box No. 1379, Pembroke, Bermuda	System for making cast on place concrete structures.
51.	136151	29-8-1972	Indus.rie Pirelli Societa Per Azioni, Centro Pirelli 20100, Milan, Italy	Joining bel'ends in conveyor belts flat transmission belts and like
52.	136152	29-7-1972	Girling Ltd., King's Road, Tyseley, Birmingham 11, England	Brake pressure control valves.
53.	136178	6-2-1974	Krishna Ramchandra Datye ; Amit Building, Fla No 10, Nehru Road, Vile Parle, Bombay-57	Strengthening natural soft ground.
54.	136186	22-11-1972	Girling Ltd., King's Road, Tyseley, Birmingham 11, England	Brake shoe adjuster
55.	136191	25-1-1973	Max Gerhahor, 844 S rabing Niederhyerm, S adigrabenz 1, German Federal of Republic	A extruded roofing tile
56.	136214	30-5-1972	Acief N V., Handelskade 24, Willems ad, Curacao, Ne herlands	Fastener
57.	136231	31-8-1972	C A V. L d., Well S ree, Birmingham 19, England	Liquid fuel injection pumping apparatus.
58.	136248	12-7-1972	Keampen Indus ries Inc, 3202, Larks ons Drive, Orange, California	Making a composite laminate 92667 U S A
59.	136259	29-9-1972	Envirotech ; 539 West Sixth South, Salt Lake City Utah, U S A	A feedwell for receiving feed and discharging it into sedimentation pool
60.	136278	8-8-1972	Envirotech, 539 West Sixth South Salt Lake City, Utah, U.S.A.	Raking structure for urging sediment in sedimentation tanks.
61.	136279	17-12-1973	Thyssen Niederrhein A. G. 42 Oberhausen, Essner, Street 66, Federal Republic of Germany.	Flap type closure on draw-off apparatus for spongy iron.
62.	136302	10-1-1973	F. L. Smidth & Co., A/57 77 Vigerslev Alle, Copenhagen-Valley, Denmark.	Rotary kiln.
63.	136350	21-6-1972	Westinghouse Electric Corp'n. Pittsburgh, Pennsylvania, U.S.A.	Thermosettable pressure sensitive adhesive tape.
64.	136351	23-7-1971	Abildgaard Labs Inc, 857 Mande Avenue, Mountain View, California 94040 U.S.A.	Forming cased books.
65.	136369	8-8-1972	Imperial Chemical Ltd., England.	Wound Clip applicator.
66.	136393	28-6-1972	Sciaky Intertechnique SA, Switzerland.	A multi-gun resistance welding machine.
67.	136430	27-6-1972	Aikoh Co., Ltd., No. 1-39, 2-Chome, Ikenohata, Jaito-Ko, Tokyo, Japan.	Forming ingots of molten metal.
68.	136457	28-8-1972	The New India Industries Ltd., Jetalpur Road, P. Box 67, Baroda-5, India.	A device for measuring of the eye angle of healds.
69.	136472	15-3-1973	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Fluid level indicating device.
70.	136486	6-11-1972	Park Cramer Co., Post Office 444, Fitchburg Massachusetts, U.S.A.	Apparatus for and step of interrupting supply of strand in a method of forming yarn.
71.	136497	29-8-1972	Mc Neil Corp'n, 96 East Crosier Street, Akron, Ohio 44311. USA,	Apparatus for retreading tyres.
72.	136509	5-1-1973	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629 U.S.A.	Air cooled resilient coupling assembly.
73.	136520	20-9-1972	Envirotech Corp'n. 537 West Sixth South Lake City, Utah, USA.	A filter press.
74.	136530	4-1-1973	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.,	Servo boosters for vehicle brake system.
75.	136546	5-9-1972	Vandervell Products Ltd., Norden Road, Maidehead, Berkshire England.	Bearings for railway vehicle axles.
76.	136550	17-2-1973	Thyssen Niederrhein A. G. 42 Oberhausen Essener, Street, Federal Republic of Germany.	Draw-off apparatus for drawing off spongy iron.
77.	136551	17-2-1973	Do.	Discharging apparatus for spongy iron.

1	2	3	4	5
78.	136560	24-1-1973	Globe Union Inc., 5757 North Green Bay Avenue Milwaukee, Wisconsin 53201 U.S.A.	Closure assembly for storage battery.
79.	136597	22-2-1973	Dr. Carl Hahn GmbH; Kaiserswether Strasse 270 D-4000 Dusseldorf, West Germany.	Tampon applicator.
80.	136616	7-2-1973	Intercole Automation Inc., 12011 Van Vicente Blvd., Los Angel, U.S.A.	Mixing apparatus.
81.	136653	8-8-1972	Diamond Power Speciality Corp., U D Route 22 East Lancaster Ohio U.S.A.,	Cleaning hot surfaces by utilising jet to dislodge deposits from hot surfaces.
82.	136676	3-10-1972	Takata Kojyo Co. Ltd., No. 10 Mori Building, 28 Sukuragawacho, Nishikubo, Shiba, Tokyo, Japan.	Pipe laying apparatus.
83.	136684	5-1-1973	Caterpillar Tractor Co., U.S.A.	Track type vehicle with modular final drive.
84.	136709	4-1-1973	Do.	Variable displacement pump having pressure compensator control means.
85.	136710	4-1-1973	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629 U.S.A.	Hydraulically powered drive and steering system for track type vehicle.
86.	136711	21-4-1973	Girling Ltd., King's Road, Tyseley, Birmingham 11, England.	Railway vehicle disc brakes.
87.	136713	27-2-1973	Emhart Industries Inc., 426 Cdt Highway, Farmington Connecticut, U.S.A.	Apparatus for tracking and probing article.
88.	136725	10-11-1972	Girling Ltd., England.	Internal shoe-drum brakes.
89.	136734	16-3-1973	Schottel-Werft Josef Becker KG; Spay/Rhein, Federal Republic of Germany.	Steerable propeller for watercraft.
90.	136754	3-1-1973	Emhart Industries Inc., U.S.A.	Means for detecting foreign particles in liquid container.
91.	136775	30-11-1972	Inco Europe Ltd., Thames House, Millbank, London, SW1P4 QF.	Forming negative iron active mass on a metal foil.
92.	136795	15-6-1972	Girling Ltd., Kings Road, Tyseley, Birmingham 11 England.	Servo boosters.
93.	136800	9-8-1974	Do.	Brake pressure control valves.
94.	136836	22-9-1972	Elli Lilly Co., 740 South Alabama Street Indianapolis Indiana U.S.A.	Optical system for capsule inspection.
95.	136859	25-7-1973	Prerovske Strojirny Prerov Czechoslovakia.	Apparatus for preheating granular materials.
96.	136867	16-9-1972	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank London S W 1, England.	Surface moderated granular propellant and a method of preparing such propellant.
97.	136895	4-12-1973	The Textile & Allied Industries Research Organisation, Kalabhavan Premises, Baroda-1, India.	Stop motion device for a spinning machine.
98.	136972	15-2-1973	Fichtel & Sachs A. G. Ernst Sahe-Strasse 62, General Federal of Republic.	Multispeed transmission hub the braking operation where of is unaffected by the engagement position of the drive.
99.	136976	3-10-1972	Westinghouse Electric Corp., Pittsburgh, Pennsylvania, U.S.A.	Apparatus for rocking compaction of refractory metal powders.
100.	136979	26-3-1973	Commonwealth Scientific & Industrial Research Organisation C. of Australia.	Apparatus for producing a twisted and piled yarn.
101.	137001	9-6-1972	Nederlandsche Wapen-En Etc., P. O. Box 505 Hortagenbosch, The Netherlands.	Grenade adopter.
102.	137035	21-9-1972	Union Carbide Corp., 270 Park Avenue, N.Y. N. Y. 10017, U.S.A.	Apparatus for casting metal objects.
103.	137038	6-1-1973	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Pistons.
104.	137063	26-2-1973	Monsanto Co., 800 North Lindhergh, Blvd, St. Louis, Missouri, 63166, U.S.A.	Making twisted steel wire strand or cord.
105.	137089	21-11-1972	Fichtel & Sachs AG. Federal Republic of Germany.	Multi speed hub with two driven members on the side of the planetary grating remote from the drive.
106.	137090	28-11-1972	Sandvik Aktiebolag, Sandviken Sweden.	Milling cutters.
107.	137093	24-1-1973	Erik Solbeck 342 Vedbeak Strandvej, 2950 Vedbeak, Denmark.	A machine for producing non-woven nettings.

1	2	3	4	5
108.	137106	23-3-1973	Caterpillar Tractor Co. 100 N.E. Adams street, Peoria, Illinois 61629, U.S.A.	Flexible seal.
109.	137120	5-5-1973	Fr. Mettlers Sons Ltd., 6415 Arth, Switzerland.	Apparatus for singeing threads.
110.	137127	15-2-1973	Georg Utz AG., Auhof 278, 5620, Bremgarten, Switzerland.	Pallets
111.	137134	25-1-1973	N. Krishnan & V. Ramchandran of 3, Sripuram, 2nd Street, Madras—14.	Mechanical clamps.
112.	137137	6-11-1972	Dimitar S. Zagoroff, 13 Cliff Street, Marblehead, Massachusetts, U.S.A.	Hand held low temperature heat gun.
113.	137155	9-10-1972	Foster Wheeler Corp., 110 South, Orange Avenue, Livingston N. Jersey, U.S.A.	Froshon resistant sensing device.
114.	137156	13-10-1972	Veb Wirkmaschinen etc., 90 Karl-Mark-Stadt, Annabergerstr 73, German Democratic of Republic.	A crochet galoon machine.
115.	137160	13-11-1972	R. E. Miller Pty Ltd., 2 A Clement Street, Rushcutler Bay, New South Wales, C. of Australia	A mounting assembly for a device such as camera which was to be panned.
116.	137161	13-11-1972	Do.	A mounting assembly for an instrument such as a camera enabling the instrument to be panned and tilted.
117.	137173	5-5-1973	Fr. Mettleri Sohne etc., Switzerland.	A mounting device for tapering tubes.
118.	137174	30-9-1972	Mc Neil Corporation, 96 East Crosier Street, Akron Ohio 44311, U.S.A	Press for shaping and curring tyres.
119.	137177	24-4-1972	Dunlop Ltd., Danlop House, Ryden Street, St. James's London S W 1, England.	Road surfacing materials and method of surfacing road or runway therewith
120.	137183	4-10-1972	Toolmasters Ltd., England.	Razors.
121.	137250	1-2 1973	Emhart Industries Inc., 950 Cottage Grove Rd., Bloomfield, U.S.A.	Article handling apparatus.
122.	137263	5-1-1973	Caterpillar Tractor Co., 100 N.A., Adams Street, Peoria Illinois, 61629, U.S.A.	Gear drive mechanism for excavator.
123.	137264	2-1-1973	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Automatic adjuster for shoe-drum brakes.
124.	137282	2-1-1973	Prevoyske Strojirny, Czechoslovakia.	Apparatus for indicating the level of bulk and Pulverulous materials in the hoppers.
125.	137310	9-1-1973	Girling Ltd., King's Road, Tyseley, Birmingham 11, England.	Tandom master-cylinder for hydraulic braking system.
126.	137321	4-10-1974	Director General Indian Council of Medical Research New Delhi-16.	Preparation of crude human chorionic gonadotropin.

RENEWAL FEES PAID

90092	90361	90469	92985	92987	93148	93210	93212	93272	119762	119793	119935	120052	120123	120145	120205	120216
95026	95420	95967	96340	96721	96952	97196	97707	97733	120247	120270	120326	120352	120356	120357	120460	120499
98087	98434	98435	98436	98506	98548	98661	98697	98938	120506	120535	120536	120559	120562	120608	120619	120658
98981	99246	99727	99978	99979	100159	101162	101347		120717	120832	121046	121395	122302	122314	122518	122568
101827	101828	101829	101830	101831	101924	102458	102459		122997	123527	123645	123646	123656	123657	123727	123871
102460	102461	102462	102523	102677	103338	103355	103664		124033	124131	124342	124343	124654	124656	124976	125250
104122	104200	104241	104271	104279	104358	104502	104507		125251	125292	125293	125459	125564	125574	125623	125713
105004	105930	106807	106820	107624	107725	107860	108003		125746	125816	125891	125892	125893	125961	125987	126030
108004	108204	108303	108337	108703	108842	108872	109003		126095	126179	126382	127583	127817	127909	128320	128365
109011	109143	109164	109173	109539	109640	109695	109698		128453	128474	128571	128684	128807	128809	128811	128812
109727	109764	109803	109840	109855	109894	109922	109963		128826	128935	128992	129034	129035	129079	129150	129347
109964	110013	110153	110213	111245	111926	111958	112035		129451	129510	129511	129637	129698	129724	130060	130192
112153	112214	112402	112440	112480	112487	112560	112617		130389	130396	130431	130443	130505	130525	130554	130565
112675	112776	112934	113453	113465	113466	114330	114337		130576	130602	130624	130635	130703	130704	130706	130766
114348	114349	114466	114469	114504	114505	114543	114545		130781	130788	130793	130813	130823	130835	130842	130893
114698	114710	114714	114756	114966	115001	115065	115102		131299	131435	131436	131439	131491	131636	132694	132763
115153	115207	115209	115214	115376	116053	116115	116347		132846	132894	132895	133001	133176	133329	133367	133405
116828	117210	117255	117404	117445	117468	117555	117607		133414	133448	133449	133538	133580	133581	133659	133701
117608	118015	118034	118036	118067	118250	118383	118384		133725	133728	133878	133922	133951	133988	134009	134017
118408	118572	118593	118678	118720	119617	119637	119688		134019	134086	134156	134212	134220	134318	134319	134343
									134374	134415	134553	134554	134557	134560	134569	134584

134608 134609 134635 134749 134752 134753 134762 134763
 134773 134779 134787 134793 134798 134810 134826 134864
 134877 134885 134887 134958 134984 134992 135000 135065
 135103 135118 135227 135293 135388 135414 135725 135773
 135774 136341 136712 136717 136806 136879 136886 136898
 136908 136944 137003 137023 137046 137074 137087 137236
 137279 137284 137300 137321 137350 137375 137388 137396
 137411 137496 137549 137638 137763 137821 137822 137892
 137929 137979 138087 138095 138127 138128 138246 138381
 138489 138491 138533 138579 138654 138758 138898 138925
 139034 139035 139208 139214 139278 139323 139340 139376
 139453 139465 139485 139629 139630 139634 139674 139702
 139723 139724 139736 139737 139821 139823 139825 139860
 139883 139957 139961 139966 140094 140103 140124 140136
 140168 140169 140196 140214 140221 140290 140310 140369
 140375 140407 140433 140472 140491 140492 140525 140530
 140538 140584 140688 140710 140730 140787 140838 140912
 140997 141001 141005 141022 141074 141087 141089 141084
 141096 141111 141133 141150 141202 141207 141287 141316
 141319 141327 141338 141352 141409 141435 141453 141511
 141528 141536 141541 141644 141733 141833 141835 141843
 141874 141903 141953 141972 141974 142121 142163 142171
 142188 142199 142210 142251 142300 142315 142355 142363
 142415 142429 142445 142459 142536 142567 142590 142602
 142621 142650 142658 142695 142696 142698 142741 142742
 142752 142756 142763 142769 142810 142811 142868 142872
 142867 142885 142895 142923 142938 142941 142955 142961
 142965 142968 142977 143005 143023 143044 143056 143061
 143062 143080 143098 143113 143125 143157 143168 143181
 143211 143245 143259 143285 143290 143301 143303 143304
 143347 143362 143364 143380 143388 142407 143451 143462
 143495 143496 143539 143551 143558 143604 143611 143621
 143631 143660 143742 143875 143968 143969 144277 144281
 144354.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

N i l

COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 140825, 145666 & 135667—Class 1.

Design No. 140752—Class 3.

Design No. 136192—Class 4.

COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design No. 135667—Class 1.

Design Nos. 134221, 134222, 134223, 135624, 136539, 136540, 136541, 136542, 136585—Class 3.

Design Nos. 136192, 136193, 136194, 136195 and 136196—Class 4.

Design Nos. 134218, 134219, 134220, 134299, 134300, 134301, 134302 and 134303—Class 10.

Design Nos. 133902 and 133903—Class 11.

Name Index of applicants for patents for the month of December 1978 (Nos. 1289/Cal/78 to 1396/Cal/78, 344/Bom/78 to 371/Bom/78, 224/Mas/78 to 231/Mas/78 and 869/Del/78 to 974/Del/78).

Name and Application No.

(A)

A/S Cheminova.—1339/Cal/78.

Acoustics Engineers.—355/Bom/78.

Air Preheater Company, Inc. The.—1371/Cal/78.

Aktiengesellschaft Kuhnle, Kopp & Kausch.—1383/Cal/78.

Akzo, N.V.—1314/Cal/78.

Alfa-Laval Aktiebolag.—1394/Cal/78 and 1395/Cal/78.

Aluminium Pechiney.—953/Del/78.

Australasian Training Aids Pty. Ltd.—1309/Cal/78.

Automotive Products Limited.—879/Del/78 and 880/Del/78.

(B)

Banerjee, K.—1377/Cal/78.

Baumgartner Papiers S.A.—1331/Cal/78.

Bendix Corporation, The.—952/Del/78.

Bhatnagar, V.K.—938/Del/78.

Biswas, B.K.—1307/Cal/78.

Boehringer Mannheim GMBH.—1297/Cal/78.

Bosc, M (Mrs.).—1295/Cal/78.

Bunker Ramo Corporation.—1372/Cal/78 and 1389/Cal/78.

Burroughs Corporation.—1299/Cal/78, 1364/Cal/78 and 1365/Cal/78.

(C)

C.M. Industries.—944/Del/78.

Carborundum Company, The.—1293/Cal/78 and 1396/Cal/78.

Cassella Farbwerke Mainkur Aktiengesellschaft.—1374/Cal/78.

Cementation Group Engineering Limited.—888/Del/78.

Charlu, P. K. (Prof.).—224/Mas/78.

Chaudhary, D. P.—1388/Cal/78.

Ciba-Geigy A.G.—1391/Cal/78 and 1392/Cal/78.

Combustion Engineering, Inc.—1384/Cal/78.

Conrad Limited.—939/Del/78.

Coors Food Products Company.—900/Del/78.

Council of Scientific and Industrial Research.—892/Del/78, 896/Del/78, 904/Del/78, 909/Del/78, 921/Del/78, 922/Del/78, 923/Del/78, 924/Del/78, 925/Del/78, 926/Del/78, 927/Del/78, 928/Del/78, 929/Del/78, 930/Del/78, 931/Del/78, 948/Del/78, 949/Del/78, 950/Del/78, 951/Del/78, 958/Del/78, 959/Del/78, 960/Del/78, 961/Del/78, 962/Del/78, 963/Del/78, 966/Del/78, 967/Del/78, 968/Del/78, 969/Del/78, 970/Del/78, 971/Del/78, 972/Del/78, 973/Del/78, and 974/Del/78.

Cummins Engine Company, Inc.—1368/Cal/78, 1378/Cal/78, 1379/Cal/78, 1380/Cal/78 and 351/Bom/78.

(D)

Dr. Beck & Co. AG.—916/Del/78.

DSD Dillinger Stahlbau G.m.b.H.—1332/Cal/78.

Das Gupta, B.—1317/Cal/78 and 1341/Cal/78.

David, T.J.—367/Bom/78.

Name and Application No.

Dayal, R.—884/Del/78, 912/Del/78, 913/Del/78 and 914/Del/78.

Dennison Manufacturing Company.—869/Del/78.

Deshmukh, J.B.—358/Bom/78.

Director, All India Institute of Medical Sciences, The.—882/Del/78.

Dorr-Oliver Incorporated.—919/Del/78 and 920/Del/78.

D' Souza, F.M.—345/Bom/78.

Dujari, D.D. 1346/Cal/78.

Dynacraft Machine Company Limited.—352/Bom/78.

(E)

Eisenwerk-Gesellschaft Maximilianshutte mbH.—1305/Cal/78.

Elkem-Spigerwerket A/S.—1296/Cal/78 and 1301/Cal/78.

Enercon Corporation, The.—1373/Cal/78.

Erco Industries Limited.—875/Del/78.

(F)

F. Hoffmann-LA Roche & Co. Aktiengesellschaft.—1337/Cal/78.

Ferro Corporation.—870/Del/78.

Fisons Limited.—943/Del/78.

Fritz Buser AG.—1350/Cal/78.

(G)

Gandhi, M.C.—350/Bom/78.

Gesellschaft Fur Kernforschung, M.B.H.—889/Del/78.

Girling Limited.—885/Del/78.

Gore, S.Y.—1347/Cal/78.

Gosudarstvenny Sojuzny Institut PO Proektirovaniju Metal-lurgicheskikh Zvyodov.—1334/Cal/78.

Govindarajulu, R.N.—231/Mas/78.

Gupta, H.R.—893/Del/78.

(H)

H.H. Robertson (U.K.) Limited.—1332/Cal/78.

Hall, G.L. 956/Del/78.

Hardigg Industries, Inc.—890/Del/78.

Hartmann & Braun Aktiengesellschaft.—937/Del/78.

Hazemeijer B.V. 1323/Cal/78.

Hindustan Lever Limited.—360/Bom/78.

Hoechst Aktiengesellschaft.—1311/Cal/78, 1330/Cal/78, 1361/Cal/78 and 1362/Cal/78.

Hosoi, R.—1289/Cal/78.

(I)

Imperial Chemical Industries Limited.—881/Del/78.

Indian Institute of Technology.—228/Mas/78.

International Business Machines Corporation.—886/Del/78.

Ion Exchange (India) Limited.—347/Bom/78, 348/Bom/78, 349/Bom/78 and 366/Bom/78.

Isola Soc PER AZ PER LA Fabbrecazione DI Isolanti Elettrici.—1318/Cal/78.

(J)

Janardanachari, R.—941/Del/78.

Japan Styrene Paper Corporation, Ltd.—1356/Cal/78.

Name and Application No.

(K)

K.R. Squibb & Sons, Inc.—905/Del/78.

Kabel-Und Metallwerke Gutehoffnungshutte Aktiengesellschaft.—1328/Cal/78.

Kapoor, A.K.—907/Del/78.

Katvi, P.R.—357/Bom/78.

Kazakhsy Gosudarstvenny Nauchno-Issledovatel'sky I Proektny Institut Nefti.—1322/Cal/78.

Kelson, S.J.P.—1312/Cal/78.

Konnur, V.G.—353/Bom/78.

Koshman, V.I.—1381/Cal/78.

Kukreja, S.S.—872/Del/78.

Kumar, A. (Mrs.).—356/Bom/78.

(L)

L. & C Steinmuller GMBH.—1306/Cal/78.

Lidholm, S.O.—957/Del/78.

Lucas Industries Limited.—1292/Cal/78 and 1369/Cal/78.

(M)

Maliakal, J.G.—910/Del/78.

Maliakal, R.G. (Dr. Mrs.).—910/Del/78.

Maschinenfabrik Augsburg Nurnberg Aktiengesellschaft.—1338/Cal/78.

Maschinenfabrik Buckau R. Wolf Aktiengesellschaft.—1325/Cal/78.

Mathur, S. S.—911/Del/78.

Mechelonic Welders Private Limited.—368/Bom/78.

Mehta, G.R.—911/Del/78.

Mehta, N. K. (Smt.).—362/Bom/78.

Menk Apparatebau GMBH.—1298/Cal/78.

Mercier, J.H.—1342/Cal/78.

Messerschmitt-Bolkow-Blohm Gesellschaft MIT Beschränkter Haftung.—889/Del/78.

Metallgesellschaft A.G.—1310/Cal/78.

Miles Laboratories, Inc.—871/Del/78.

Mistry, J.V.—363/Bom/78.

Mondkar, S.M.—344/Bom/78.

Montedison S.p.A.—1358/Cal/78 and 1363/Cal/78.

More, D.—346/Bom/78.

Moteurs Leroy-Somer.—1349/Cal/78.

Mukherjee, C.—1393/Cal/78.

(N)

N.V. Philips' Gloeilampenfabrieken.—1308/Cal/78.

Nagorny, M.A.—1381/Cal/78.

Nautamix B.V.—359/Bom/78.

Nicholson Realty Ltd.—1352/Cal/78.

Nitto Boseki Co., Ltd.—1357/Cal/78.

(O)

Omdev, N.—230/Mas/78.

Orissa Cement Limited.—1375/Cal/78.

Orszagos Koolaj ES Gazipari Troszt.—1387/Cal/78.

(P)

Panda, B. (Smt.).—1326/Cal/78 and 1327/Cal/78.

Parmar, M.M.—362/Bom/78.

Patel, S.L.—1302/Cal/78.

Name and Application No.

Paul, S.K.—1376/Cal/78.
 Petrichenko, V.F.—1381/Cal/78.
 Philagro.—946/Del/78.
 Philips India Limited.—1291/Cal/78.
 Phillips Petroleum Company.—1382/Cal/78.
 Pont-A-Mousson S.A.—954/Del/78.
 Prerovske Strojirny, Narodni Podnik.—1366/Cal/78 and 1367/Cal/78.
 Pressure Cookers & Appliances Ltd.—364/Bom/78 and 365/Bom/78.
 Process Evaluation and Development Corporation.—940/Del/78.

(R)

RCA Corporation.—1329/Cal/78.
 R & Z Vermögensverwaltungsgesellschaft mbH.—1315/Cal/78.
 Racold Appliances Pvt. Ltd.—918/Del/78.
 Rajulu, O.G.—227/Mas/78.
 Rao, N.M.—229/Mas/78.
 Rathi Industrial Equipments Co. (P) Ltd.—354/Bom/78.
 Rau, M.V.P.—371/Bom/78.
 Refratechnik GMBH.—1300/Cal/78.
 Ressorts Industrie.—887/Del/78.
 Robert Bosch GMBH.—1294/Cal/78.
 Rui, M.R.—369/Bom/78.

(S)

S.S. Industries.—899/Del/78.
 Sanyal, A.—1290/Cal/78.
 Saraogi, M.C.—1320/Cal/78 and 1321/Cal/78.
 Schering Aktiengesellschaft.—873/Del/78 and 874/Del/78.
 Sengupta, S.K.—1385/Cal/78.
 Shah, N.B.—362/Bom/78.
 Sibal, I.K.—361/Bom/78.
 Siemens Aktiengesellschaft.—1336/Cal/78 and 1354/Cal/78.
 Siemens-Albis Aktiengesellschaft.—902/Del/78.
 Sihi GmbH & Co. KG.—1370/Cal/78.
 Singh, D.—911/Del/78.
 Singh, R. 883/Del/78, 936/Del/78 and 942/Del/78.
 Singh, S. (Swaran).—877/Del/78.
 Singh, S. (Satnam).—877/Del/78.
 Sinha, B.K.—1348/Cal/78.
 Sinha, H.S.—1333/Cal/78.
 Sio-Societa Per L'Industria Dell' Ossigeno E DI Altri Gas S.P.A.—901/Del/78.
 Sir Padampat Research Centre.—878/Del/78, 897/Del/78 and 898/Del/78.
 Sivachenko, E.W.—1344/Cal/78.
 Smithkline Corporation.—917/Del/78.
 Societe Des Produits Nestle S.A.—1304/Cal/78.
 Societe Nationale DES Poudres ET Explosifs.—964/Del/78.
 Societe Technique D' Enterprises Chimiques STEC.—915/Del/78.

Name and Application No.

Solco Basel AG.—895/Del/78.
 South African Coal, Oil & Gas Corporation Limited.—1360/Cal/78.
 Southwire Company.—906/Del/78.
 Srinivasan, P.S. (Dr.).—224/Mas/78.
 Stamicarbon B.V.—903/Del/78.
 Stanadyne, Inc.—1313/Cal/78 and 1343/Cal/78.
 Standard Oil Company, The.—932/Del/78, 933/Del/78, 934/Del/78, 935/Del/78 and 945/Del/78.
 Stauffer Chemical Company.—1359/Cal/78.
 Subba Reddy, D.V.—226/Mas/78.
 Sudarshan Chemical Industries Limited.—370/Bom/78.
 Sukh, H.—965/Del/78.

(T)

Takeda Chemical Industries, Ltd.—1386/Cal/78.
 Tate Pipe Lining Processes Limited.—1303/Cal/78.
 Teldix G.m.b.H. 1355/Cal/78.
 Teledyne Industries Inc.—955/Del/78.
 Thomson-CSF.—908/Del/78.
 Trade & Industry Pvt. Ltd.—1316/Cal/78.
 Tripathi, A.N. (Dr.).—907/Del/78.
 Tyagi, R.C.—911/Del/78.

(U)

Union Carbide Corporation.—947/Del/78, 1324/Cal/78 and 1390/Cal/78.
 Uniroyal, Inc.—891/Del/78 and 894/Del/78.
 United Technologies Corporation.—1351/Cal/78.

(V)

Varma, I.P. (Smt.).—362/Bom/78.
 Velayudhan, C.—224/Mas/78.
 Venkatram, S. (Mrs.).—371/Bom/78.
 Venkiteswaran, M.—225/Mas/78.
 Vsesojuzny Nauchno-Issledovatel'sky Institut Gidro-tekhniki I Melioratsii Imeni A. N. Kostyakova.—1353/Cal/78.
 Vsesojuzny Nauchno-Issledovatel'sky Institut Metallurgicheskoi Teploekhniki.—1334/Cal/78.
 Vsesojuzny Nauchno-Issledovatel'sky Institut Po Stroitelstvu Magistralnykh Truboprovodov.—1322/Cal/78.

(W)

Wacker-Chemie GMBH.—1340/Cal/78.
 Westinghouse Brake and Signal Company Limited.—876/Del/78.

(Y)

Yamato Iron Works Co. Ltd.—1345/Cal/78.
 Yokogawa Electric Works Ltd.—1319/Cal/78 and 1335/Cal/78.

S. VEDARAMAN

Controller-General of Patents, Designs and Trade Marks

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD
 AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1979

